Title (en)
FIELD-MOUNTED PROCESS DEVICE WITH PROGRAMMABLE DIGITAL/ANALOG INTERFACE

Title (de)
AM EINSATZORT ANGEBRACHTE PROZESSEINRICHTUNG MIT PROGRAMMIERBARER DIGITAL/ANALOG-SCHNITTSTELLE

Title (fr)
DISPOSITIF DE PROCESSUS MONTE SUR SITE AVEC INTERFACE NUMERIQUE/ANALOGIQUE PROGRAMMABLE

Publication
**EP 1721224 A2 20061115 (EN)**

Application
**EP 05724330 A 20050302**

Priority
• US 2005006760 W 20050302
• US 54959904 P 20040302

Abstract (en)
[origin: WO2005086110A2] Embodiments of the present invention generally provide a field-mountable process device (16, 116) that receives digital information from one or more process devices (D1, D2, D3, D4), and provides an associated analog output. Embodiments of the present invention include providing a wireless interface (120) to the field-mounted process device (116) such that configuration and/or diagnostic information can be communicated between the field-mounted process device (116) and one or more additional devices. In some embodiments, the field-mounted process device (16, 116) can be completely powered by the digital process communication loop (14) to which it is. coupled. Finally, embodiments of the present invention also include generating and storing within the field-mounted process device (16, 116) a mapping (300) between one or more field devices communicating in accordance with a digital process communication protocol and an analog output of the field-mounted process device (16, 116).

IPC 8 full level
**G05B 19/042** (2006.01)

CPC (source: EP)
**G05B 19/042** (2013.01); G05B 2219/24028 (2013.01); G05B 2219/25006 (2013.01); G05B 2219/25014 (2013.01); G05B 2219/25127 (2013.01); G05B 2219/25428 (2013.01); G05B 2219/25455 (2013.01)

Citation (search report)
See references of WO 2005086110A2

Cited by
EP2495624A3; DE102019132965A1; JP2007527073A

Designated contracting state (EPC)
CH DE GB LI

DOCDB simple family (publication)
**WO 2005086110 A2 20050915**; **WO 2005086110 A3 20051208**; CN 100507781 C 20090701; CN 1926486 A 20070307; DE 602005026631 D1 20110414; EP 1721224 A2 20061115; EP 1721224 B1 20110302; JP 2007527073 A 20070920; JP 4990755 B2 20120801; RU 2006134615 A 20080410; RU 2363974 C2 20090810

DOCDB simple family (application)
**US 2005006760 W 20050302**; CN 200580006544 A 20050302; DE 602005026631 T 20050302; EP 05724330 A 20050302; JP 2007501946 A 20050302; RU 2006134615 A 20050302